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January 1974

IMPROVING DECISION MAKING IN THE MARKETING OF NEW CITIES

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An Abstract of a Dissertation Presented in Partial Fulfillment of the Requirements for the Degree, Doctor of Business Administration, Arizona State University.

ABSTRACT

The purpose of this research is to develop a conceptual model useful for improving decision making in the process of marketing planning for a new city. Available models completed to date have generally been oriented to patterns, trends, and constraints of existing older cities. These existing models have tended to disregard the growing body of empirical data that are available concerning new city developments. Usable models have also tended to be developed without providing adequate treatment of business marketing principles.

For this thesis, the experience of entrepreneurs engaged in the process of building and marketing new cities are used to construct a new model. Temporal and spatial events are categorized in a product life cycle model for determining appropriate marketing planning actions to be taken during the innovative, introductory, and growth phases of a new city's development. The normative model presented was constructed from literature sources and from exploratory findings obtained at two new city sites.

Answers are presented to the following questions:

- 1. What are the entrepreneur's basic purposes in marketing new cities?
- 2. That are the marketing strategies that might be considered as alternatives for directing marketing planning activities within the innovative, introductory, and growth phase of a new city's product life cycle?
- 3. What environmental conditions aid or hinder the entrepreneur in achieving established marketing goals?

- 2.
- 4. What company capabilities or limitations aid or hinder the entrepreneur in reaching established marketing goals?
- 5. How are the alternative marketing mix combinations of products, channels, promotions, and prices established for each life cycle phase?

This research provides a normative product life cycle model for entrepreneurs to use in formulating strategies for the marketing of new cities. Such a normative product life cycle model also provides an instrument for continuous updating of the major decisions required in the process of marketing a new city. The study assumes that new city entrepreneurial marketing risks may be reduced through evaluative guidelines presented in the normative product life cycle model developed in this study.

A normative preduct life cycle model for improving decision making in the marketing of new cities may provide an instrument for conducting further research on how the solutions to city problems may be foreseen and condensed into a plan. Preliminary findings on the model may also provide a guide for further research into the marketing planning decisions required during the mature and declining phases of a new city's product life cycle.

BOOKS

- Allen, James B. The Company Town in the American West. Norman, Oklahoma: University of Oklahoma Press, 1966.
- Backstrom, Charles H. and Gerold D. Hursh. Survey Research. Evanston, Illinois: Northwestern University Press, 1963.
- Block, John D. Introduction to Production Economics. New York: Henry Holt and Company, 1926.
- Blumenfield, Hans. "Alternate Solutions to Metropolitan Development," In Planning, 1948. Chicago: American Society of Planning Officials, 1948, pp. 15-24.
- . "The Modern Metropolis." In Cities, A Scientific America Book. New York: Alfred A. Knopf, 1966, pp. 40-47.
- Breckenfeld, Gurney. Columbia and the New Cities. New York: Ives Washburn, Inc., 1971.
- Buzzell, Robert D., Donald F. Cox, and Rex V. Brown. Marketing Research and Information Systems. New York: McGraw-Hill Book Company, 1969.
- Conkin, Paul. Tomorrow a New World: The New Deal Community
 Program. Ithaca, New York: Cornell University Press, 1959.
- Cushman, Robert Eugene. <u>Leading Constitutional Decisions</u>. New York: F. S. Crofts & Co., 1932.
- Eichler, Edward P. and Marshall Kaplan. The Community Builders. Berkeley, California: University of California Press, 1967.
- Ferber, Robert and P. J. Verdoon. Research Methods in Economics and Business. New York: Macmillan Company, 1962.
- George, Claude S. The History of Management Thought. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1968.
- Green, Paul E. and Donald S. Tull. Research for Marketing
 Decisions. Englewood Cliffs, New Jersey: Prentice-Hall,
 Inc., 1966.
- Gutnov, Alexei, et. al. The Ideal Communist City. New York: George Brazillen, 1968.
- Harrisch, Peter. "Canberra--Case Notes on a New Town." In Planning 1965. Chicago: American Society of Planning Officials, 1965, pp. 270-278.
- Hiorns, Frederick. Town-Building in History. London: Harrap, 1956.
- Hough, Louis. Modern Research in Administrative Decisions. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1970.

- Howard, Ebenezer. Garden Cities of Temorrow. Cambridge, Massachusctts: M.I.T. Press, 1965.
- Kotler, Philip. Marketing Decision Making: A Model Building Approach. New York: Holt, Rinehart and Winston, 1971.
- McCarthy, E. Jerome. Basic Marketing. 4th ed. Homewood, Illinois: Richard D. Irwin, Inc., 1971.
- McCormick, Thomas C., and Roy G. Francis. Methods for Research in the Behavioral Sciences. New York: Harper & Brothers, 1958.
- Meicr, Richard L. Science and Economic Development. New York: John Viley & Sons and Cambridge, Massachusetts: Technology Press, M.I.T., 1956.
- Meiss, U. B., et. al. Intermediate Accounting. 2nd. ed. New York: McGraw-Hill Book Company, 1968.
- Montgomery's Federal Taxes. 39th ed. New York: Ronald Press, 1964.
- Park, Robert E. The City. Chicago: The University of Chicago Press, 1925.
- Ratcliff, Pichard. Urban Land Economics. New York: McGraw-Hill, 1949.
- Reynolds, William H. Products and Markets. New York: Appleten-Century-Croft's Educational Division, Meredith Corporation, 1969.
- Rodwin, Lloyd. "Ciudad Guayana: A New City." In Cities, a Scientific America Book. New York: Knopf, 1960, pp. 88-105.
- Schaffer, Frank. The New Town Story. London: MacGibbon & Kee, 1970.
- Spiegel, Erika. New Towns in Israel: Urban and Regional Planning and Development. Trans. by Annellee Rockwood. New York: Practer, 1967.
- Stein, Clarence S. Toward New Towns for America. 3rd ed. Cambridge: M.I.T. Press, 1966.
- Stephenson, Gordon. "Town and Country Planning in Great Britain." In Planning 1948. Chicago: American Society of Planning Officials, 1948, pp. 121-131.
- "Town Planning." Encyclopedia of World Art. 1967, pp. 175-180.
- Uniform Housing Code. Los Angeles: International Conference of Bu ilding Officials, 1958.
- Watson, Donald Stevenson. Price Theory and Its Uses. Boston: Houghton Mifflin Company, 1963.

- Weber, Max. The City. Glencoe, Illinois: The Free Press, 1958.
- Zaltman, Gerald. Marketing: Contributions from the Behavioral Sciences. New York: Harcourt, Brace & World, Inc., 1965.

PUBLICATIONS OF THE GOVERNMENT, LEARNED SOCIETIES AND OTHER ORGANIZATIONS

- Advisory Commission on Intergovernmental Relations. Urban and Rural America: Policies for Future Growth. Report A-32. Washington, D.C.: U.S. Government Printing Office, 1968.
- Aquilar, Rodolfo J. 'Decision Making in Building Planning."

 Computers in Engineering Design Education. Ann Arbor,
 Michigan: The University of Michigan, College of Engineering,
 Civil Engineering, April 1, 1966, III-32-III-33.
- Beal, George M. and Joe M. Bohlen. "The Diffusion Process." Special Report No. 18. Agricultural Extension Service, Iowa State University, n.d.
- Boise Cascade: A Corporate Profile. Boise, Idaho: Boise Cascade Corporation, n.d.
- Committee on Urban Design. Checklist for Cities. American Institute of Architects, 1967.
- Cornish, Robert. New Towns Within the San Francisco Bay Region.
 Paper presented at the Fifth International Congress of
 Planning, Mexico City. San Mateo, California: Wilsey,
 Ham & Blair, September 1964.
- Crane, David A. Technologies Study: The Application of Technological Innovation in the Development of a New Community, Ft. Lincoln New Town. Prepared for Edward J. Logue, Principal Development Consultant, District of Columbia Redevelopment Land Agency, National Capital Planning Commission and District of Columbia Government, Washington, D.C., 1968.
- Economic Research Department. What New Industrial Jobs Mean to a Community. Washington, D.C.: Chamber of Commerce of the United States, 1954.
- Foster City, Island of Blue Lagoons. Foster City, California: T. Jack Foster & Sons, 1969.
- Geer Associates, Planning Consultants. General Development Plan: Mt. Clements, Michigan. Mt. Clements, Michigan: City Planning Commission, 1958.
- Gerckens, L. C. Significant Court Cases Involving the Urban Planning Function of Government. Tempe, Arizona: Arizona State University, School of Architecture, n.d.

- Gliege, John G. 'New Towns in Arizona: The Impact of the Planned Communities Act." Public Affairs Bulletin. Tompe, Arizona: Arizona State University Institute of Public Affairs, 1970.
- New Towns: Policy Problems in Regulating Development. Tempe, Arizona: Institute of Public Administration, Arizona State University, 1970.
- Gruen, Victor, Associates. Litchfield Park, Arizona. Litchfield Park, Arizona: Litchfield Park Properties, Inc., n.d.
- Hauser, Norbert. "Rate of Return on Investment as a Function of Depreciation." Computers in Engineering Design Education. College of Engineering, The University of Michigan, April 1, 1966, pp. V24-V-32.
- House, Robert E.M. and Robert D. Buzzell. "Competitive Behavior and Product Life Cycle in Selected Processed Food Categories." New Concepts for Food Industry Marketing and Planning. Cambridge, Massachusetts: Arthur D. Little, Inc., 1967, pp. 33-34.
- Howard County Planning Commission. Howard County 1985, General Plan. Technical Report 1. Howard County, Maryland, April 1967.
- Jonathan Development Corporation. Jonathan New Town, Design and Development. Chaska, Minnesota: Jonathan Development Corporation, February 1971.
- Kleps, Ralph L. Laws Relating to Conservation, Planning and Zoning. Sacramento, California: State of California, Printing Division, 1957.
- Krushkhov, Abraam. Advanced Planning--Community Patterns of the Future. Paper presented before the Western Governmental Research Association in San Diego, California, September 29, 1955.
- . The Impact of Technological Change on Cities. A paper delivered to the American Institute of Planners, Berkeley, California: University Extension, University of California, June 11, 1955.
- Lake Havasu City Growth Report, 1964 to 1972. McCulloch Properties, Inc., 1972.
- Litchfield Park Association, The. Declaration of Covenants, Assessments, Charges, Liens, Reservations, and Easements. Recorded in the Office of the Recorder, County of Maricepa, on August 12, 1968, in Docket 7218, records of Maricopa County, Arizona, pp. 719-764.
- "Litchfield Park Information Sheet." Litchfield Park Properties, Litchfield Park, Arizona, January 31, 1971.

- Litchfield Park Properties. Property Report. November 14, 1972.
- Malisz, B. Ekonomika Ksztal towania Vkladow Osadniczych.

 (Economics of Shaping Settlement Systems.) PAN, Polish
 Academy of Science Studies, 1963.
- McCulloch Oil Corporation. Annual Report 1971, n.d.
- . 3rd Quarter Report. September 30, 1972.
- McCulloch Properties Credit Corporation Prospectus. December 14, 1972.
- McCulloch Properties, Inc. Development Plan for the Community of Fountain Hills, Maricopa County, Arizona. 1970.
- Map of Tierra Verde Village: The First Village of Litchfield Park, A. Litchfield Park, Arizona: Litchfield Park Properties, July 1969.
- "New Kind of City, A." Litchfield Park Properties, Litchfield Park, Arizona, March 1967.
- Percy, Charles H. Constituent Newsletter. Washington, D.C., May 5, 1972.
- Robinson, Ira M. New Industrial Towns on Canada's Resource Frontier. Chicago: University of Chicago, Department of Geography, 1962.
- Services to Management Frogram. New Towns as an Investment
 Opportunity. Cambridge, Massachusetts: Arthur D. Little,
 Inc., July 11, 1967.
- Slate, Daniel M. "Strategic Implications of Brand Competition in the Food Processing Industry," New Concepts for Food Industry

 Marketing and Planning, Arthur D. Little, Inc., 1967, pp. 23-32.
- Spilhaus, Athelstan. "Science and Technology and the Cities." A compilation of papers prepared for the 10th Meeting of the Panel on Science and Technology. Washington, D.C.: U.S. Government Printing Office, 1969, pp. 33-43.
- Today's Story of Lake Havasu City, Arizona. Lake Havasu City, Arizona: McCulloch Properties, Inc., 1972.
- U. S. Bureau of the Census. Census of Fopulation and Housing: 1970. Census Tracts. Final Report PHC(1)-160. Phoenix, Arizona, Standard Metropolitan Statistical Area. Washington, D.C.: U. S. Government Printing Office, 1972.
- U. S. Bureau of the Census. U. S. Census of Population: 1970.

 Number of Inhabitants, Final Report. P.C(1)-Ala Arizona.

 Washington, D.C.: U. S. Government Printing Office, 1971.

- U. S. Congress. House. Hon. Frank E. Evans. Remarks in the Congressional Record, 91st Cong., 2nd sess., March 3, 1970, 378-634-20345.
- U. S. Congress. House. Committee on Banking and Currency. Statement of James W. Rouse, President, Community Research and Development, Inc., and President of James W. Rouse, Inc. Demonstration Cities Housing and Urban Development and Urban Mass Transit, Hearings before a subcommittee on Housing, 89th Cong., 2nd sess., 1966.
- U. S. Congress. House. Committee on Banking and Currency. Housing and Urban Development Act of 1970. Public Law 91-609. Washington, D.C.: U.S. Government Printing Office, 1971.
- U. S. Congress. House. Committee on Banking and Currency. Housing and Urban Development Legislation - 1970, Parts 1 & 2, Hearings before the Subcommittee on Housing, 91st Cong., 2nd scss., 1970.
- U. S. Congress. House. Committee on Banking and Currency. Testimony given by Er. Frank H. Horton in Industrial Location Policy, Part 3 before the Ad Hoc Subcommittee on Urban Growth of the Committee on Banking and Currency, 91st Cong., 2nd sess., 1970.
- U. S. Congress. House. Committee on Banking and Currency. Statement of Terrence G. Jackson, Sr., Senior Economist, Stanford Research Institute in Industrial Location Policy, Part 3 Hearings before the Ad Hoc Subcommittee on Urban Growth of the Committee on Banking and Currency, 2nd sess., 1970.
- U. S. Congress. House. Committee on Banking and Currency. Statement of Richard O'Neill, Editor, House and Home, in Housing and Urban Development Legislation-1970, Part 2, Hearings before the Subcommittee on Housing, 91st Cong., 2nd sess., 1970.
- U. S. Congress. House. Committee on Banking and Currency. Statement of Prof. Thomas K. Standish, Bennington College, Bennington, Vermont in Industrial Location Policy, Part 3, Hearings before the Ad Hoc Subcommittee on Urban Growth, 91st Cong., 2nd sess., 1970.
- U. S. Congress. House. Committee on Banking and Currency. Statement of Thomas C. Wolff, Jr., Vice President, The Rouse Company, Columbia, Maryland in Industrial Location Policy, Part 3, Hearings before the Ad Hoc Subcommittee on Urban Growth, 91st Cong., 2nd sess., 1970.
- U. S. Congress. House. Committee on Banking and Currency. Population Trends, Part 1, Hearings before the Ad Hoc Subcommittee on Urban Growth. Statement of Prof. Wilbur Thompson, Wayne State Research Center, Detroit, Michigan, 91st Cong., 1st sess., 1969.

- U. S. Congress. House. Committee on Banking and Currency. The Quality of Urban Life, Hearings before the Ad Hoc Subcommittee on Urban Growth, 91st Cong., 1st and 2nd sess., 1970, as quoted in Bernard Weissbourd and Herbert Channick, "The Urban Strategy," New Communities. Center for the Study of Democratic Institutions, Chapter V191, p. 60.
- U. S. Department of Commerce. Attracting New Industry. Washington, D.C.: U. S. Government Printing Office, March 1970, pp. 1-44.
- U. S. Department of Commerce. Pocket Data Book: USA 1971.
 Washington, D.C.: U. S. Government Printing Office, 1971.
- U. S. Department of Housing and Urban Development. Division of International Affairs Special Report. Industrialized Building: A Comparative Analysis of European Experience, Philip F. Putnam, et. al., Washington, D.C.: U. S. Government Printing Office, 1968.
- U. S. Department of Housing and Urban Development. HUD News. HUD No. 70-79, February 13, 1970; HUD No. 70-927, December 29, 1970; HUD No. 70-926, December 29, 1970; HUD No. 70-499, July 1, 1970; HUD No. 70-492, July 1, 1970; HUD No. 71-734, December 22, 1971; HUD No. 71-378, June 29, 1971.
- U. S. Department of Housing and Urban Development, Office of the Secretary. Draft Regulations, Urban Growth and New Community Development Act of 1970. 24 CFR Part 32, reprinted from the Federal Register, 36 F.R. 14205-14. Washington, D.C.: U. S. Government Printing Office, Part 32.7(a), July 31, 1971.
- U. S. Office of New Communities Development. Instructions for the Preparation of Proposals and Application for Guarantee Assistance Under the Urban Growth and New Community Development Act of 1970. Washington, D.C.: U. S. Department of Housing and Urban Development, 1970.
- U. S. Office of New Communities Development. Cutline of New Communities Assistance Programs. Washington, D.C.: U. S. Department of Housing and Urban Development, January 1971.

JOURNALS

- Gladstone, Robert M. "New Town's Role in Urban Growth Explored."
 Journal of Housing, XXXII, No. 1, January 1966, pp. 23-36.
- Mao, James C.T. 'Financing Urban Change in the Great Society: Quantitative Analysis of Urban Renewal Investment Decisions." Journal of Finance, XXII, No. 2, May 1967, pp. 195-207.
- McFarland, John R. 'The Administration of the New Deal Greenbelt Towns." American Institute of Planners Journal, XXI, No. 4, July 1966, pp. 217-225.
- Rapkin, Chester. "New Towns for America: From Picture to Precess."

 Journal of Finance, XXII, No. 2, May 1967, pp. 208-219.

- Wendt, Paul F. "Large Scale Community Development." Journal of Finance, XXII, No. 2, May 1967, pp. 220-239.
- White, John Rebert. "Economic Assessment of Large Projects." The Appraisal Journal, XXXVII, No. 3, July 1969, pp. 360-371.

PERIODICALS

- Alexander, Christopher. "A City is Not a Tree." Architectural Forum, April 1965, pp. 58-62; May 1965, pp. 58-61.
- American Community Builders. 'Park Forest, Illinois Proving Ground for Community Planning Techniques." Architectural Record, May 1951, pp. 94-110.
- 'Private Enterprise is Building a Planner's Dream for Profit - A Self Contained City with a Land Density of Cnly Ten Families Per Acre." Architectural Forum, August 1948, pp. 70-74.
- Apgar, Mahlon, IV. "New Business from New Towns?" Harvard Business Review, January-February 1971, pp. 90-109.
- "Atom City." Architectural Forum, October 1945, pp. 102-116.
- Bossom, Robert M. "Competition in Marketing: A Strategy Model." Arizona Business Bulletin, Arizona State University, October 1971, pp. 10-12.
- "Bumper New Town Issue." Town and Country Planning, January 1972.
- Burgess, Eric. "Alaskan Utopia Planned: No Cars, No Smog, No. Snow, "Christian Science Monitor, October 4, 1969.
- "Space Center Spinoff," Christian Science Monitor, July 6, 1970.
- Business Week, March 6, 1971, p. 28; March 13, 1971, p. 130.
- Canty, Donald. "A New Approach to New-Town Planning." Architectural Forum, August-September 1964, pp. 194-198.
- Cartsonis, Emanuel M. "Ten Minute Town! Designed Around a Pathway System." Landscape Architecture, October 1966, pp. 40-42.
- "Columbia: American Dream in One Big Package." Engineering News-Record, November 21, 1967, pp. 26-29.
- Cemmonweal, September 24, 1971, pp. 506-507.
- Conklin, William J. 'Planning Approaches to New Towns: Focus on Reston, Virginia." Building Research, January-February 1966, pp. 18-20.

- "Corporations as New Master Builders of Cities." Progressive Architecture, May 1969, pp. 150-161.
- Crease, David. "Progress in Brasilia." <u>Ekistics</u>, October 1962, pp. 139-143.
- Davis, Leonard L. "Irvine to Cost \$5 Billion." Christian Science Monitor, December 4, 1970.
- Dole, Charles E. "Houston Blinks at Plans for \$1.5 Billion Center." Christian Science Monitor, February 19, 1971.
- . "Houston: Will Hot Pursuit of the Future Bring Happiness?" Arizona Republic, May 2, 1971.
- . "Shifting Market Bars New Levittowns." Christian Science Monitor, August 28, 1970.
- Downie, Leonard, Jr. "Vision or Hoax? The 'New Town' Mirage."
 The Nation, May 15, 1972, pp. 617-621.
- England, Merelicek. "Before and After in a Core City." Christian Science Monitor, April 23, 1971.
- Faltermayer, Edward K. "We Can Cope with the Coming Urban Explosion." Fortune, September 1966, pp. 147-151.
- Favre, George H. "Cities are for People...or Are They?" Christian Science Monitor, June 14, 1972.
- Science Monitor, October 15, 1970. Christian
- . "Unique City Due to Bloom on New York Islet."

 Christian Science Monitor, November 18, 1972.
- Farrell, Paul B., Jr. "Ten Rules for Profits in Land Development." Progressive Architecture, March 1971, pp. 86-88.
- "Five Small Communities Planned." Phoenix Gazette, February 5, 1971.
- Fredzell, Bo. "Physical Factors of Metropolitan Planning." Ekistics, April 1962, pp. 229-231.
- "Greenbelt Towns." Architectural Record, September 1936, pp. 215-234.
- Groenveld, Leonard. "Value Analysis and the Marketing Concept."

 Industrial Engineering, February 1972, pp. 24-27.
- Hart, William O. "British New Towns Today." <u>Land Economics</u>, February 1956, pp. 57-58.
- Helbock, Richard W. "New Towns in the United States." Professional Geographer, July 1968, pp. 242-246.

- Hernandez, Hal. "Recreation to the Fore." Arizona Republic, February 7, 1971.
- Immel, Richard. "Unfulfilled Dream." Wall Street Journal, August 23, 1972.
- "Impact of SEC's New Disclosure Rules, The." Business Week, January 6, 1973, p. 58.
- "Industry Builds Kitimat." Architectural Forum, July 1954, Part 1, pp. 128-147; August 1954, Part 2, pp. 120-127.
- Jackson, J. B. "Cumbernauld: The Newcst New Town." Landscape, Spring 1963, pp. 17-19.
- Kaplan, Marshall. "The Role of Planner and Developer in the New Community." Washington University Law Quarterly, February 1965, pp. 88-104.
- Katz, Albert M. "Lower Rent Costs: A Net Social Gain Through Creation of New Towns." Land Economics, May 1968, pp. 273-275.
- "Kitmat, B. C., Planned as a Model City: Railway and Highway Will Make It Accessible." Roads and Engineering, September 1954, p. 54.
- Kozlowski, J. "Threshold Theory and the Sub-regional Plan." Town Planning Review, U.K., July 1968, pp. 99-116.
- LaFay, Howard. "Russia's Window on the West Leningrad." National Geographic, May 1971, pp. 636-672.
- Lake Havasu City Herald, April 1969; February 1972; March 1972; April 1972.
- Lalli, Frank. 'New Towns: Are They Just Oversized Subdivisions --With Oversized Problems?" House and Home, June 1966, pp. 93-103.
- Langewiesche, Wolfgang. "Look at America's New Towns." Readers Digest, March 1967, pp. 140-145.
- Leonard, Mary. "Litchfield Park Moves On." Arizona Republic, September 13, 1970.
- Lillibridge, Robert M. 'Urban Size: An Assessment." Land Economics, November 1952, pp. 341-352.
- Litchfield, Nathaniel and Paul F. Wendt. "Six English New Towns: A Financial Analysis." Town Planning Review, October 1969, pp. 283-314.
- "Litchfield Park." Full page advertisement, Phocnix Gazette, January 26, 1971.
- Logue, Edward J. "Piecing the Political Pie." Saturday Review, May 15, 1971, pp. 27-31, 57.

- Malmgren, Harold. "The Economy: A Case for Efficient Planning." New Republic, November 7, 1944, p. 41.
- McConnell, Shean. "The Structure of Urban Areas." Official Architecture and Planning, U.K., March 1967, pp. 360-369.
- McFarland, John R. "The Administration of the English New Towns Program." Washington University Law Quarterly, February 1965, pp. 17-55.
- Medearis, Robert W. "Joint Venturing: A Small Builder Gets Beig Change'." House and Home, March 1971, pp. 74-79.
- Murray, Robert W., Jr. 'New Towns for America." House and Home, February 1964, pp. 123-130.
- Nairn, Ian. 'The Mission Hill Towns." Architectural Review, U.K., September 1964, pp. 165-170.
- "New Communities Filling Up Arizona's Open Spaces." Arizona Republic, December 6, 1970.
- "New Schools in New Towns." Progressive Architecture, April 1968, pp. 188-200.
- "New Town in Chile: Huachipato, A." Town and Country Planning, U.K., May 1957, pp. 221-222.
- 'New Town that Conserves the Landscape." Architectural Record, April 1967, pp. 151-158.
- "New Towns: Who Wants Them? Who Builds Them? How are They Doing?" Buildings, April 1967, pp. 64-67.
- "New Towns: Industry's Move to Uncongested Land Cutside the Cities is Bringing a Planning Dream to Life." Architectural Forum, November 1951, pp. 136-142.
- "New Towns Special: Britain and Abroad." Town and Country Planning, January 1971, pp. 28-29.
- New York Times, December 2, 1970; August 16, 1970; February 22, 1970.
- Mg Wing Bo. "Hong Kong: New Towns on Land from the Sea." Town and Country Planning, U.K., April 1962, pp. 173-175.
- Osborn, Frederic J. "The British New Towns Policy." Land Economics, August 1956, pp. 281-284.
- "Our Promise." Home, in Los Angeles Times, June 28, 1970, pp. 32-33.
- Pickard, Jerame P. "Is Dispersal the Answer to Urban Overgrowth?" Urban Land, January 1970, p. 7.
- Prina, L. Edgar. 'U. S. Geological Survey Chocses Model Community for New Home." San Diego Union, August 29, 1971.

- Quinn, James Brian. "Technological Forecasting." Harvard Business Review, March-April 1967, pp. 89-106.
- Rayburn, Charles. "Investment Appeal, Elbow Room Boost 'Instant Cities'." Phoenix Gazette, June 24, 1970.
- Ricks, Bruce. "New Town Developments and the Theory of Location." Land Economics, February 1970, pp. 5-11.
- Roszak, Theodore. "Life in the Instant Cities." Mation, March 13, 1967, pp. 336-340.
- Saikowski, Charlotte. "Supercities Attract Soviet Social Scholars." Christian Science Monitor, November 29, 1969.
- San Diego Union. April 7, 1972; December 6, 1971; April 14, 1972; April 11, 1972.
- Schon, Donald. "On Bringing Technology to Social Problems." Technology Review, February 1971, pp. 46-51.
- Simon, Robert E., Jr. "Modern Zoning for Reston." American County Government, May 1967, pp. 17-20.
- Skolimowski, Henry K. "An Alternative-Archology: Paolo Soleri's Vertical Cities." Phoenix, July 1971, pp. 21-23.
- Spilhaus, Athelstan. "The Experimental City." Science, February 16, 1968, pp. 710-715.
- Stein, Clarence C. "A Regional Pattern for Dispersal." Architectural Record, September 1964, pp. 205-206.
- Stewart, John. "City Plannor Finds Merit in Minneapolis 'Mew Town'." San Diego Union, May 23, 1972.
- Susskind, Lawrence and Gary Hicks. "New Communities in a National Urban Growth Strategy." <u>Technology Review</u>, February 1972, pp. 30-42.
- Thomas, Bob. "Satellite Communities Causing Worry in State."
 Arizona Republic, December 6, 1970.
- Tiranti, Alex. "Plan for Hook New Town." <u>Ekistics</u>, April 1962, pp. 261-275.
- Turner, Alan and Jonathan Smulian. "New Cities in Venezuela."
 Team Planning Review, January 1971, pp. 89-95.
- "Utility Joins with Manufacturer to Help Build Electric City." Electrical World, February 12, 1968, pp. 26-27.

- "Valencia, A Planned New City by Victor Gruen Associates."
 Arts and Architecture, November 1966, pp. 18-23.
- Viorst, Milton. "Reston, Robert Simon's Fiefdom on the Potomac Could Provide a Blueprint for the Good Life in the 21st Century." Horizon, Autumn 1967, pp. 34-41.
- Von Eckardt, Wolf. "A Fresh Scene in the Clean Dream." Saturday Review, May 15, 1971, pp. 21-23.
- Happiness?" Arizona Republic, May 2, 1971.
- Walton, Bob. "Sun City, Arizona Population Still Growing."

 Arizona Republic, April 25, 1971.
- Weddle, Arnold E. "Trend in British Landscape Architecture: The New Amenity Planners Rise to Power." <u>Landscape Architecture</u>, July 1958, pp. 299-302.
- Wilson, Jane. "Trinity + 25 Years, Part I, Projections and Recollections." Science and Public Affairs Bulletin of the Atomic Scientists, June 1970, pp. 7-34.
- Wright, Iovanna Lloyd. "Wright Predicted Urban Blight."
 Arizona Republic, May 31, 1970.

UNPUBLISHED MATERIALS

- Baeder, Robert W. "Increasing the Productivity of the Sales Force." Paper, unpublished, for the General Electric Company, Phoenix, Arizona, 1966.
- Bliss, H. J., General Manager, Litchfield Park Properties. Correspondence dated August 4, 1972.

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PROFESSIONAL DEVELOPMENT

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Affiliations: Registered Professional Industrial Engineer, State of California. Senior Member, American Institute of Industrial Engineers. Member, Sigma Iota Epsilon, National Management Honorary.

Teaching: Assistant Professor of Information Systems, teaching computer sciences, mathematical programming and systems design, California State University, San Diego, California, 1971 - present. Graduate Teaching Assistant in quantitative analysis and statistics, Arizona State University, 1969-1970. Instructor in financial computer systems, Los Angeles Metropolitan College, California, evenings, 1962-65. Instructor, General Electric's and IBM's Computer Education Centers, con demand, 1960-1969.

Selected Publications: Improving Decision Making in the Marketing of New Cities, D.B.A. dissertation, 1973, 20lpp. The Manufacturing Industries' Market Plan, G.E., 1966, 112pp. On-Line Numerical Machine Tool Centrol, G.E., 1966, 3lpp. Automated Land Records for the City of Los Angeles, L.A., City, 1963, 52pp. The Problems of Police-Fire Integration, M.S. Thesis, 1958, 126pp.

PROFESSIONAL HISTORY, RESPONSIBILITIES, AND ACCOMPLISHMENTS

General Electric Company: Seven years' staff experience as Manager, 1968-70, Project Manager, 1966-67, and Senior Planner, 1964-66 in forecasting and planning division operations, researching product and market investment opportunities, consulting on advanced systems developments, and implementing marketing planning strategies in the Information Systems Division, Pheenix, Arizona, and the Information Services Division in Washington, D.C. Member of GE's Speakers' Bureau and Elfun Society. Salaried educational leave of absence, 1970, to obtain the D.B.A. degree. Recipient of GE's 1966 Effective Presentation Award.

International Business Machines Corporation: Account Manager, 1963-64 and Senior Systems Engineer, 1960-63 in Los Angeles, California. Responsible for planning, directing, and controlling computer installations and support efforts in government, services, manufacturing, and distribution accounts with \$2.4 million annual rental billing and \$1.5 million in annual if-sold computer shipments. Recipient of IBM's 1962 Cutstanding Contributions Award in Systems Engineering and IBM's 1963 Regional Managers' Award.

Public Administration: Four years | administrative experience as Assistant Chief Administrative Officer, 1959-60, City of Baldwin Park, California, and Planning Director and Secretary to the Planning Commission, 1956-58, City of Martinez, California. Responsible to the City Council for the finance and personnel functions, and Planning Commission for industrial, urban renewal, and community planning, U.S. Navy, 1953-56, Head, Engineer Department (LTCG), U.S.S. Gunston Hall, LSD-5.

Personal: Age 43, married, two scns.

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